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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/730,628	12/08/2003	James Lange	D1E0008. 02	4262	
27187	7590 12/21/200-		EXAM	EXAMINER	
BAKER &	DANIELS ERSON BOULEVAR	BUTLER, D	BUTLER, DOUGLAS C		
SUITE 250	ERSON BOOLE VAR	ART UNIT	PAPER NUMBER		
SOUTH BE	ND, IN 46601	3683			
			DATEMAN ED. 12/21/200		

Please find below and/or attached an Office communication concerning this application or proceeding.

		A	No	A					
Office Action Summary		Applicati		Applicant(s)					
		10/730,6		LANGE ET AL.					
	Office Action Gammary	Examine		Art Unit	7				
		Douglas (3683)				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
THE I - Exter after - If the - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATION IS SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by seply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no exon. a reply within the staeriod will apply and witatute, cause the app	rent, however, may a reply be tin tutory minimum of thirty (30) day rill expire SIX (6) MONTHS from blication to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).	y. ommunication.				
Status									
1)⊠	Responsive to communication(s) filed on 1	12 March 2004		•					
2a) <u></u> □	This action is FINAL . 2b)⊠	This action is r	non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
)☐ Claim(s) is/are allowed. ₹								
6)⊠	☑ Claim(s) 1-20 is/are rejected.								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers	•							
9)[The specification is objected to by the Exar	miner.							
	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)[The oath or declaration is objected to by the	e Examiner. N	ote the attached Office	Action or form P7	TO-152.				
Priority u	nder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:									
1. Certified copies of the priority documents have been received.									
2. Certified copies of the priority documents have been received in Application No									
3. Copies of the certified copies of the priority documents have been received in this National Stage									
application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.									
Attachment	• •		_						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date									
3) 🔯 Infom	e of Draftsperson's Patent Drawing Review (PTO-948 nation Disclosure Statement(s) (PTO-1449 or PTO/SE · No(s)/Mail Date		5) Notice of Informal P 6) Other:)-152)				
- apei			o,						

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DETAILED ACTION

- 1. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-20 are pending. Paired notched Belleville springs are conventional.
- 4. The submitted prior art and submitted International Search Report have been considered.
- 5. Applicants' UŞ 67,39410 and US 2004/0113340 A1 are made of record.
- 6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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7. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by submitted EP 0240810 to Orth et al or submitted JP 10054432 to Okuma.

Note serrations/grooves at vicinity 40, 42, 30, 32, 21, 22, 20 in Figs. 1-4 of Orth et al. See Figs. 8, 10, 11, 12 of Okuma.

8. Claim 8 is rejected under 35 U.S.C. 102(b) as being anticipated by Arakawa et al (5842527).

Figs. 5, 7, 11 of Arakawa et al disclose a set of resilient Belleville or frustoconical springs 57-58 in a "rotating driving" arrangement.

9. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Brecht (1826597).

Note the serrations/grooves at 31. See page 3, column 1, beginning at line 46 of Brecht re Figs. 4-6 of Brecht.

- 10. Note Figs. 3, 6b of EP 639724 to Pleva.
- 11. Figs. 1a, 12(a) of JP 8-108393 to Kawakai et al disclose serrated Belleville springs.
- 12. See Fig. 1 of Avery (3557574) with serrated or toothed disk coupling.
- 13. Claim 1, line 2 and claim 18, line 2 "consisting" should be changed to "comprising".
- 14. Any inquiry concerning this communication should be directed to Exmr Butler at telephone number (703) 308-2575.

DOUGLAS C. BUTLER PRIMARY EXAMINER 12/20/04

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